# IT HAD TO HAPPEN!

THE COMPUTER OF THE DECADE DICK SMITH SYSTEM 80

third generation computer system

NOW AVAILABLE IN NEW ZEALAND!



The draids platosophy of risk Dick. Rather thes follow as obscure exis for a ganeral purposa apmouter office

The System-80 (X-4005) coerses a 7-80 Casinal Processor Uart, a keypoard, againsts ratedada, with rts. neve budten basente regerder, e vides ratedaca with a video mortalalor an thor you can nee a video monitor or your own standard TV ant.

The Oick Small System-80 Computer contains 16% of agor RAM memory

This hardware apaliguration is very powerful as it states it it it is a complete. working computer system is confound. in one box. The only other item requested as a standard TV set or a Vidao. Monitor

To complament this hardware the System-80 has a powerful residual. EXTENDED SASIC Interested which recomposible with 16 st of Tandy TRS-80 Lovel-II BASIC Taus, of course means that you can use most of the materials of programs that have been written for 166 TRS-80 Computer away it was first toleased reversiunare and So dow you have a stateal-res-ert computer will a lot of software ready and warfled

We said earlier that the Systam-80 was expandable. This is vitel if you are to ask your comparer settingst it. ar are revealment for years to come

Smith System 80 Personal Computer - panaron avalam, we save absent the world alundard 5-100 Bala system for evalued, which learning maximum, the Disk Smith System-80. There is promising appointly and versalility and second contraction of the bank game! we dat rataining the feweral possible of the System-80 to which rea 5-100. Execusion Unit IX-4010) and addition The Expension Unit provides a Cantrearcs-type parallal printer raterface, as RS-232C serial commesautopa interface, and a floopy- disk controller capable of againgling apto fear audie dannie 5%-in dick drives fauch an our Parter drives. X-3230). The Expander Use also providas (4s 5-100 socketa te allewyou to plug as many of the maltitude. of \$-100 carda which are sealable. from over 200 meaulacturers around ise world. The sort of threas you might want to add to your Systam-80 sould bar

- A memory card to or peed your ryalam up to 48K again BAM
- Davras controllers to ram 3 Tast adding Leval This leval on sad oil the postomest is your same or other.
- Music Syathosisers you aas compeas masis eves if yoadss Tolay as real name a C. Vorce Syattleastate - telking admiputors are now a rostrivi-Rost-tima Cłocka - re Isati year Syrtem-80 ks awa what frma it ist

Lat as now take a closer look at the Lavet if BASIC in the Oak Smith System-80 Thre BASIC and ba divided rate sight sections:

- I. ACTIVE COMMANDS
- 2. TEXT EDITING
- 3 BASIC STATEMENTS
- 4 ARRAYS
- 5 STRINGS
- **6 ARITHMETIC FUNCTIONS**
- 7 GRAPHICS
- B SPECIAL FEATURES

la Bro Dick Smith System-80 Compalso there are four different operation.

- Active command level, la this level. the aumoster responds to commands as soos as they are natared the presente the knye line knyl-Whenever Is a >\_\_ signs are on the display the user is in the native command level
- 2. The Program Execution Lavel. This level is paramed by typing RUN. assaug the BASIC program is the memory to be executed. On a state and this level all yearsbles are set to null lemotyl before or equiron electe.
- allows the east to modify, add on dalate characters and have of the Basis Program sparce resident in the memory. The most argenticset footers of this favelie that the ager age abasing say portrop of a has will got have die ra-lyne file. same had
- 4: Mounter Level. This is not permits the user to food machis e-landuage programs into the momory. This may be a massias loagnage areaatable proprame or even date files. Such 'object files can siso be accessed by BASIC programs.

As you can see, this makes for a very powerful personal computer. When you consider the price, it just cannot be beaten for value!

Cat X-4005 16k System-80 computer......NZ\$1199.00 inc tax

### VIDEO MONITOR AVAILABLE AS OPTIONAL EXTRA

NOTE. To real bear of our knowledge, all TRS 80 antiwers written wholly an BASIC language will connormally on the System. 80. Most programs written in machine language will also rue domaily, but a small proportion will not do so without modification. For advice about apealife programs please ask our store staff

Life Dic I Smith System-80 Pempiral Comissited accepts assuble names which can be longer than two characters bowever only the Arter have a flavoic term with the reschangered and the complete name by the companies. Vestables must state with a latter and the second character may be r feder or r digit. Therefore vanished than be from AA to ZZ and AB to ZB. Please note however that when plancy long complifie Commissions insult appears that there do not contain reserved words. These reserved words on possible GOLD, PRIST, \$95 also

Three are four fields of assisting farages. Smott preduce floatma Double precision hoaving point, Stand. These trip distance ished by appending one of the following special gharmfore respectively N. f. # &

187 following operators are used by the System-80

- Subtraction
- \* Multiprocured
- / Discussion ESC Exponer nation
- of Lease Hope > Gregner men
- Chi E of south
- SH Line that or actual to-
- >= Gmains than as equal to = Equal to
- forms all to your born.

and tithing operators for apmosping the pin-

L ACTIVE PROFESSION

r	suro .	Automatic from sumpre
2	CIEAN	Resem Vassibler to reno And detail to de atorias
3	CLGAO	specific program of specified filename from
4	DLQ 6 DP	specified tape whit Vendity that the londed biograph is borrect
5	G09e1	Continue association
0	CSAVE	situs stopping Sines BASIC program

- In tane I DELETE Deferred lists on tenan sounded d from organism B EDIT
- 6 1/5T I may the program limbs
- na supuu Clears the gurrent arou-
- FT RUS Staat program assecu-
- 10 18017
- disgrapses
- postes

2 TEXT COLUNG

he typing in COII 100, his example the composite well account to eductive 100. For

- 3. Dallets from curser in and of

- 9. Quit and restor site. 7 Change r desection

н	PRINT.	1.6	6104
2	FAIRLY	15	6010
3	PRONE USING	20	GOSUO
ä,	IS PUT	21	RETURN
ß.	DALI	22	<b>BM 6010</b>
٥	READ	73	ON GOSUB
7	4141041	74	coa un elei

- a facility at 25 NO.4 Scripped at 24 6136
- to betsta DO RESA
- LE DIM 32 THEN
- 16 TET an Tust 34 TET EVE

district upon of the charge of temple the humble of

were it is a spended finer a single value. Thus a

table of data with eight potunins and right.

rows is a two dimensional array containing

systematical expension annealthing his the compound

these am reamounted weld subscripts are

Till as comes are set up in the controller mined

7. Concrete a liberation alleges executive

emancal ridrinctors. File computer can add,

divide compare and create abreca III you

6 MIDS

2 5165

6 1/61

6 STRIKES

find slethish guidles would fifth program, 40

All Dr. Art 2t All 3t

2 Venebles - en AS

Massay. The functions if your risk

rise OIM statement

5 STRIGGS

I ASC

2 CHRS

SOLDERS.

5 (18)

a RIGHTS

in addition the System-90 meagains thing A BERRYS

### AND DR 601

specially by agradiest

MCI I	AL COMMA	1405
r	sur o	Automatic from alignipals
2	CIEAN	Resem Verenher to rero and sets reale story
3	CLGAO	special program of specified filename from
4	DLQ 6 DP	specified tape whit Vendity that the loaded program is bornet

- - mode to correction of r numbers or special bunchs shot and twitt-
- second-ad
- Putt System-80 m Mondor mode Turns off the date
- Turns on the trace
- 15 LPSGLT
- 16 TUST printer

- f. Inches serve

- d. delt to cod of him.
- 5. Lest how

### & BASIC STATEMENTS

ı	PRIST	16	6104
,	Faifel or	15	6010
J	PROH USING	20	GOSUO
ı	ISPUT	21	RETURN.
ŀ	DALIA	22	0% G010
9	READ	73	ON GOSUB

- TO DETINE 27 ONTERORGERO
- II DEISNG 25 16406 12 DEFORA 29 RESULT
- IS OZAS 707 17
- 17 160

### The Diet Seven Sevent-80 Companies a tell-

able of eccepting both numeric and stong arrays. An arrer of armola a left or rabit, of date which it will out in the memory of the computer for early account to programs. The

- - 14s System-80 uses two stillds of rminos
  - Puts System-50 in EDII As you call any authors is timply a ginne of characters, this care of suome be lettern.
- men from memory
- 12 SYSTIM
- diagnosse
- Poets a file to the
- Leate the program th the

- 2. Details floor unst of time
- form and envertisem

	PRINT	16	6104
1	Faifel or	19	6010
J	PRINE USING	20	GOSUO
ı	ISPUT	21	RETURN.
ŀ	DALIE	22	0% G010

- The following severelles is as an emplement
- ed in the Samm-BO 7 16 4 That command will along the &
  - bel tiga in en alle papet apprelle at

Act for

The hommand outputs a batch.

O A RECIDENCE PURPLICATE

made havetonia

7 685

2 61%

1 (108)

A PERM

5 00%

8 CSNG

7 13P

6 100

F. GARRIOTS.

I SET

2 41611

6 SPECIAL HEALDSES

The System 40 featurer riving a boot in each

6 (61)

10 106

12 668

76 656

Talk Silver

15 506

TALL DESIGN

1.05

6 POINT

The people's of the System-Bill to a recognit

as \$0 lines of \$20 solumns. The accelera-

comminds substance on the follows:

DE BUSDOM

- Mr. most appearable at
- 5. \$15x. The nominand interest the dear-
- mail your of the animpry totreat most dit di-
- 4 POLL The command bill you seem a
- or float of the full mode of a state of teaching
- I dir i communiti termini a a combafrom 0 to 03 indicating the during the code-son on the
- durcher keep R. SELLO The gomment sature the
- dumber of second and organfeeled bases in member. I fire flommand calls a macdition
- language subsequent and powers the arounded to the radiovinal 5. VARALS This represent to community and arbitrary atter for the populate, a part the

0.000

ILLINGOR COOLS La ariera in trappino siliore in vova programa the System 60 has twenty two arror under

- ADMINISTRAÇÃO TODO POR A DATA \$1 \$1XT without 109
  - Syntax serge 54
- SETURN ANNOUS GOSUS 60 Charles Avenue
- Blegal function can OV Committees
- Out of memory ue Undefined hee Subscript out of sange
- Restress equipmed all all all Dresson by 0
- 12 lifegal direct apromend TM Leon Manualist
- 1.6 Out of string status 1.5
- Strong too long. 1.6 Strong formula too company Cod t dontelso
- 16 No services 10 \$150ML without mile
- 20 Unonnuble arms 21 MC Mirrario operand
- 22 PD: Bed his date



### COMPARE THE FEATURES — THEN COMPARE THE PRICE!

The System-80 compares mare than layourably with the YRS-80 with level II on features [5-100 geographics, inbuilt converts, also | NEW STEAN BO - XXCUSIVE I O OCK SMITTH ELECTRONICS

PLEASE MOTE. This comparison is blacked on one think functional and manifest in the first a clear at this time of positing (October 1880). For intelligence is excepted for any times an automorphism that only oney. Proc. positional productional and purposition Change enriched his analysis of the positional position of the times and positional positional position.

PARAMETER		SYSTEM-EO	TRS-80 (level I)	TRS-80 (lavel 11)
1	CPU type	2-80	Z-8D	2-80
2	Speed	1.7MHz	1.78092	1.7MHz
3	Amount of RAM	16K	18K	15K
4	Built-in casaetta recorder	Yea	No	No
5	Built-in video moduletor	Yes	No	No
5	Cepacity of BASIC ROM	12K	4K	12K
7	Type of BASIC supplied	Microsoft 12K Floating point	Florizing point	Microsoft 12K Pleating point
8	RAM expansion on-board to	154	16K	16X
9	Machine language programs actissable from securing BASIC programs	Yes	No	Yes
10	Full ASCII charecters	Upper wase only	Upper cere only	Upper case only
- 11	Programmable grephics characters	No	No	\$co
12	Graphics resolution (dols)	8192	8192	8192
13	Mixed grephics/text eny format	Yas	Yes	Yes
14	Test format	18 lines x 84 or 32	16 kms + 64	16 hoes i 64 or 32
15	Number of cassarts interferes (basis und)	2	1	1
16	Baud tels	500	250	500
17	Time to load 8k program	2 mm 30 sec	4 min 50 sec	2 mm 30 sic
18	Cassame life names	Yes	No	Yes
19	Number of cassette recorders	2	1	T
20	Motor control for consette recorders	Yes (2)	Yes (1)	Yes (1)
21	Number of string variebles	930	2	930
22	Maximum length of string variables	255	15	255
23	5-100 compatible (with expansion unit)	Yes	Na	No
24	Supports disc drive system	Yes	Yas	Yes

## DICK SMITH ELECTRONICS

HEAD DIFICE. Col. Lane Cove & Weletipo Rds. North Ryde N S.W. Aueltelie 2113
P.O. Box 321 North Ryde N B.W. Aueltelle Ph [international] B1 Z 688 3200

NZ AGENTS Vissoum Electronics, 306-306 Church St Palmerston Nth. Ph 56 696
John Olibert & Co. Ltd. 15-22 Arras; Ave Auckland Ph 30 839

